

IN THE CLAIMS

Please amend the claims as follows:

1. (Cancelled)

2. (Currently Amended) A method for controlling fluid flow to and from an eye during ophthalmic surgery, said method ~~composing the steps of~~ comprising:

introducing irrigation fluid into an eye;
determining initial irrigation fluid pressure;
adjusting aspiration fluid flow based on the determined initial irrigation fluid pressure;
continuously determining irrigation fluid pressure after the initial determination; and
continuously adjusting aspiration fluid flow based on the continuous determination of irrigation fluid pressure.

3. (Cancelled)

4. (Cancelled)

5. (Previously Amended) The method according to claim 2 where the step of initially determining irrigation fluid pressure and continuously measuring irrigation fluid pressure includes determining in-line irrigation pressure.

6. (Original) The method according to claim 2 wherein the step of adjusting aspiration fluid flow includes setting a maximum aspiration vacuum pressure as a function of determined irrigation fluid pressure.

7. (Original) The method according to claim 6 wherein the function is linear.

Claims 8-22 cancelled

23. (Currently Amended) ~~The method according to claim 2 further comprising the step of~~A method for controlling fluid flow to and from an eye during ophthalmic surgery, said method comprising:

introducing irrigation fluid into an eye;

continuously determining irrigation fluid pressure;

and

using a change in irrigation fluid pressure to provide an indication of wound leaking.